

## CLAIMS

1. An electrolyte solution for an electrolytic capacitor containing an aluminum tetrafluoride salt and a solvent with high boiling point.
2. An electrolyte solution for an electrolytic capacitor according to claim 1 wherein the solvent with high boiling point is sulfolane, 3-methyl sulfolane, or 2,4-dimethyl sulfolane.
3. An electrolytic capacitor using the electrolyte solution of claims 1 or 2.
4. An electrolytic capacitor according to claim 3, wherein an electrode foil subjected to a phosphate treatment is used as the anode electrode foil or the cathode electrode foil.
5. An electrolytic capacitor according to claim 3, wherein a partial cross-linking peroxide butyl rubber that peroxide is added as cross-linking agent to a butyl rubber polymer comprising a copolymer of isobutylene, isoprene, and divinylbenzene is used as the sealing member.